

SOD2 polyclonal antibody

Catalog # PAB14493 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against SOD2.
Immunogen	Human SOD2 (Mn Superoxide dismutase).
Host	Rabbit
Reactivity	Bovine, Chicken, Dog, Frog, Gerbils, Guinea pig, Hamster, Human, Monkey, Mouse, Pig, Rabbit, Rat, Sheep
Specificity	This antibody detects a 25 KDa protein on SDS-PAGE immunoblots corresponding to the molecular mass of Mn SOD.
Form	Liquid
Recommend Usage	Western Blot (0.2 ug/mL) Immunohistochemistry (1 ug/mL) Immunoprecipitation (10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.0 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOD2

Entrez GeneID	6648
Gene Name	SOD2
Gene Alias	IPO-B, MNSOD, Mn-SOD
Gene Description	superoxide dismutase 2, mitochondrial
Omim ID	147460
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	Mn superoxide dismutase OTTHUMP00000017530 OTTHUMP00000017531 indophenoxidase B manganese superoxide dismutase manganese-containing superoxide dismutase mangano-superoxide dismutase

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Akathisia](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Angina Pectoris](#)

- [Arsenic Poisoning](#)
- [Arthritis](#)
- [Asbestosis](#)
- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Choroid Diseases](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cocarcinogenesis](#)
- [Cognition](#)
- [Colitis](#)

- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Drug-Induced Liver Injury](#)
- [Dyskinesia](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Exfoliation Syndrome](#)
- [Fatty Liver](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)

- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hemochromatosis](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Iron Overload](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leber hereditary optic neuropathy](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)

- [Macular Edema](#)
- [Malnutrition](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Mood Disorders](#)
- [Mouth Neoplasms](#)
- [Movement Disorders](#)
- [Multiple Chemical Sensitivity](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Optic Atrophy](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Pelvic Pain](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Pneumoconiosis](#)

- [Poisoning](#)
- [Postoperative Complications](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prostatitis](#)
- [Pseudoxanthoma Elasticum](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Raynaud Disease](#)
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- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sepsis](#)
- [Skin Neoplasms](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)

- [Urolithiasis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Varicocele](#)
- [Weight Gain](#)
- [Werner syndrome](#)